

Shaygan KHERADPIR et al.
Applic. No. 10/083,822
Docket No. 01-1004

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method for managing communication devices associated with a voice network and a data network using at least one unified communication manager and an instant messaging service, wherein the at least one unified communication manager is connected to both the voice network and the data network, the method performed by the unified communication manager comprising:
 - receiving a message from a user containing at least a request to configure at least one of the communication devices;
 - ~~setting~~ configuring one or more rules for responding to a communication attempt to the at least one communication device based on information in the message;
 - and
 - transmitting to the user, through a real-time communication channel that is established by the instant messaging service, a notification indicating the configuration of the at least one communication device.

2. (Previously presented) The method of claim 1, wherein transmitting to the user the notification comprises:
 - determining whether the user is currently connected to the instant messaging service; and
 - transmitting to the user an instant message that includes notification of the configuration of the at least one communication device.

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3. (Currently Amended) The method of claim 1, wherein setting the one or more rules ~~configuring a connection~~ comprises receiving signaling information via the voice network.

4. (Currently Amended) The method of claim 1, wherein setting the one or more rules ~~configuring a connection~~ comprises receiving information via the data network.

5. (Currently Amended) A computer readable medium capable of configuring a computer to perform a method of managing communication devices associated with a voice network and a data network using at least one unified communications manager and an instant messaging service, wherein the at least one unified communication manager is connected to both the voice network and the data network, the method performed by the unified communication manager comprising:

receiving a message from a user containing at least a request to configure at least one of the communication devices;

setting ~~configuring~~ one or more rules for responding to a communication attempt to the at least one communication device based on information in the message;

and

transmitting to the user, through a real-time communication channel that is established by the instant messaging service, a notification indicating the configuration of the at least one communication device.

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6. (Previously presented) The computer readable medium of claim 5, wherein transmitting to the user the notification comprises:

determining whether the user is currently connected to the instant messaging service; and

transmitting to the user an instant message that includes notification of the configuration of the at least one communication device.

7. (Currently Amended) The computer readable medium of claim 5, wherein setting the one or more rules configuring a connection comprises receiving signaling information via the voice network.

8. (Currently Amended) The computer readable medium of claim 5, wherein setting the one or more rules configuring a connection comprises receiving information via the data network.

9. (Currently Amended) An apparatus for managing communication devices associated with a voice network and a data network using at least one unified communication manager and an instant messaging service, wherein the at least one unified communication manager is connected to both the voice network and the data network, the unified communication manager comprising:

means for receiving a message from a user containing at least a request to configure at least one of the communication devices;

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means for ~~setting~~ configuring one or more rules for responding to a communication attempt to the at least one communication device based on information in the message; and

means for transmitting to the user, through a real-time communication channel that is established by the instant messaging service, a notification indicating the configuration of the at least one communication device.

10. (Previously presented) The apparatus of claim 9, wherein the means for transmitting to the user the notification comprises:

means for determining whether the user is currently connected to the instant messaging service; and

means for transmitting to the user an instant message that includes notification of the configuration for the at least one communication device.

11. (Currently Amended) The apparatus of claim 9, wherein the means for ~~setting the one or more rules configuring a connection~~ comprises means for receiving signaling information via the voice network.

12. (Currently Amended) The apparatus of claim 9, wherein the means for ~~setting the one or more rules configuring a connection~~ comprises means for receiving information via the data network.

13. Cancelled.

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14. (Previously presented) The method of claim 1, wherein receiving the message from the user comprises receiving an instant message over the data network from the user through the instant messaging service.

15. (Previously presented) The method of claim 1, wherein receiving the message from the user comprises receiving a call over the voice network from the user.

16. (Previously presented) The method of claim 1, further comprising:
downloading to at least one of the communications devices associated with the user code for interfacing with the at least one unified communications manager.

17. (Currently Amended) A method for managing communication devices associated with a user for terminating connections over a voice network and a data network using at least one unified communication manager and an instant messaging service, wherein the at least one unified communication manager is connected to both the voice network and the data network, said method comprising:

receiving a call from the user over the voice network at a speech processor;

identifying a request to configure at least one of the communication devices associated with the user based on information in the call;

forwarding the request to the at least one unified communication manager;

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~~setting~~ configuring one or more rules for responding to a communication attempt at the at least one communication device based on the information in the call; and

transmitting to the user, through a real-time communication channel that is established by the instant messaging service, a notification that indicates the configuration for the at least one communication device.

18. (New) A system for providing unified communication management, the system comprising:

a configuration database comprising user account information; and
a service center in communication with a first network connecting a plurality of user telephones and the configuration database, configured to receive, from a user communication device in accordance with an instant messaging protocol, a message comprising a request to modify the user account information, the service center being further configured to modify the user account information in accordance with the message and to output a representation of the modification to the user communication device in accordance with the instant messaging protocol.

19. (New) The system of claim 18, further comprising a second network connecting a plurality of user terminals, the second network in communication with the service center.

20. (New) The system of claim 18, wherein the service center comprises:

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at least one functional server configured to receive the message, to perform the requested modification to the user account information, and to output to the communication device a status of the request.

21. (New) The system of claim 20, wherein the service center further comprises a unified communication manager configured to receive the messages, and to forward the messages to the functional server.

22. (New) The system of claim 20, wherein the functional server comprises at least one selected from the list consisting of a security server; a call control server; a conferencing server; a speech processing server; a remote computing server; a back office server; an LDAP Directory Server; a messaging server; a calendar management server; a contact management server; and a profile management server.

23. (New) The system of claim 18, wherein the account information comprises user billing information.

24. (New) The system of claim 18, wherein the account information comprises a call forwarding pattern.

25. (New) The system of claim 20, wherein the message comprises a request to modify the call forwarding pattern.

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26. (New) The system of claim 18, further comprising the first network.
27. (New) The system of claim 18, wherein the first network is a PSTN.
28. (New) A method for unified communication management performed by a service center, the service center comprising a unified communications manager and at least one functional server, the method comprising:
- receiving, at a unified communications manager, a request for service for a user, the request transmitted in accordance with an instant messaging protocol;
 - redirecting the request to the functional server;
 - executing a function at the functional server, to perform the service requested; and
 - transmitting, by the unified communications manager, a message to the user updating the user on the status of the request, the message being transmitted in accordance with an instant messaging protocol.
29. (New) The method of claim 26, wherein the one of the functional servers comprises a call control server, and the request is a request for forwarding calls.
30. (New) The method of claim 26, wherein the one of the functional servers comprises a conferencing server, and the request is a request for a conference call.

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31. (New) The method of claim 26, wherein the one of the functional servers comprises an LDAP directory server, and the request is a request for a name lookup.